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March 27, 2006

Ms. Peggy Carr  
Sonoma County Department of Health Services  
475 Aviation Boulevard, Suite 220  
Santa Rosa, California 95403-2097

Subject: **First Quarter 2006 Groundwater Monitoring Report**  
Rotten Robbie Service Station No. 60  
55 E. Todd Road, Santa Rosa, Sonoma County, California  
Apex Project No. RMA01.001

Dear Ms. Carr:

Apex Envirotech, Inc. (Apex) has been authorized by Robinson Oil Corporation (Robinson) to provide this report documenting the results of the first groundwater monitoring event conducted on January 30, 2006. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part, on information obtained by Apex from Robinson and is subject to modification as newly acquired information may warrant.

## **SITE DESCRIPTION**

The subject property is located at 55 East Todd Road, Santa Rosa, Sonoma County, California. The site has historically been operated as Dave's Pit Stop, a retail automotive and truck fueling station and convenience store.

## **BACKGROUND**

August 18, 2003 - RM Associates (RMA) supervised the installation of eight soil borings at the subject property as part of a Phase II Environmental Site Assessment conducted in association with the sale of the property from Mr. Dave Zedrick to Robinson. RMA collected soil samples from three of the borings and groundwater samples from all eight of the borings. RMA documented the results in, *Report of Phase II Environmental Site Assessment*, dated October 13, 2003.

September 9, 2003 - Sonoma County Department of Health Services (SCDHS) requests a workplan to investigate the site.

November 4 - 5, 2003 - Soil and pavement were excavated from above the former gasoline and diesel underground storage tanks (UST). The materials were temporarily stockpiled onsite, pending analysis and profiling. RMA sampled the stockpiled soil on November 6, 2003.

November 7, 2003 - Armer/Norman and Associates removed the five former USTs. No holes were noted in any of the USTs. Under the direction of the Sonoma County Department of Emergency Services and the SCDHS, RMA collected confirmation soil samples from the UST basin. Ecology Control Industries under Uniform Hazardous Waste Manifests hauled the USTs offsite.

November 10, 2003 - RMA collected five 4:1 composite soil samples from the stockpiled soil that had been removed from the new UST location.

December 3, 2003 - The former product lines and dispensers were removed. RMA collected confirmation samples and six 4:1 composite samples from the stockpiled soil.

January 16, 2004 - RMA documented the results of the UST removal and replacement, *Report of Underground Storage Tank Removal*.

February 23, 2004 - Apex submitted, *Workplan for Preliminary Site Assessment*, outlining the installation and sampling of 10 direct-push soil borings and four groundwater monitoring wells. The SCDHS approved the workplan in a letter dated March 9, 2004.

June 15 - 16, 2004 - Apex supervised the installation of nine direct-push soil borings (GP-1, GP-3 through GP-10) to delineate the lateral and vertical extent of soil and groundwater contamination beneath the site. GP-1, GP-3, GP-4 and GP-6 through GP-10 were drilled to a total depth of 12 feet bgs, and GP-5 was drilled to a total depth of 20 feet bgs.

July 7 - July 9, 2004 - Apex personnel supervised vacuum clearing, drilling, sampling and installation of four groundwater monitoring wells (MW-1 through MW-4).

November 9, 2004 - Apex submitted the report, *Preliminary Site Assessment Results Report and Fourth Quarter 2004 Groundwater Monitoring Report*, detailing activities and results for boring and monitoring well installation activities.

December 30, 2004 - SCDHS requested a workplan to complete characterization of the site. In addition, the SCDHS requested completion of a sensitive receptor survey.

March 2, 2005 - Apex submitted the report, *Sensitive Receptor Survey and Workplan for Additional Site Characterization*, proposing the installation of three additional soil borings, and five groundwater monitoring wells to further characterize the site.

April 28, 2005 - Apex submitted a "Clarification Letter" to address the concerns of the SCDHS.

May 16, 2005 - The SCDHS approved the workplan, dated March 2, 2005.

October 4-6, 2005 - Apex personnel supervised the installation of four additional onsite groundwater monitoring wells (MW-5 through MW-7), three direct push borings (GP-1B, GP-5B, and GP-11).

March 7, 2006 – Apex submitted *Groundwater Monitoring Well and Soil Boring Installation Results Report* documenting the installation of three direct push borings (GP-1B, GP-5B and GP-11) and groundwater monitoring wells MW-5 through MW-7.

## GENERAL SITE INFORMATION

**Site name:** Rotten Robbie Service Station  
**Site address:** 55 E. Todd Road, Santa Rosa, California  
**Responsible party:** Mr. Tom Robinson  
**Current site use:** Active gasoline station  
**Tanks at site:** 1,000 gallon, 2-20,000 gallon, and 2-12,000 gallon  
**Number of wells:** 7 monitoring wells

## GROUNDWATER MONITORING SUMMARY

**Gauging and sampling date:** January 30, 2006  
**Wells gauged and sampled:** MW-1 through MW-7  
**Wells gauged only:** None  
**Groundwater flow direction:** South  
**Groundwater gradient:** 0.0028 ft/ft  
**Floating liquid hydrocarbon:** None  
**Laboratory:** Analytical Sciences, Petaluma, California

### Analysis Performed:

| Analysis                                 | Abbreviation | Designation                   | USEPA Method No. |
|------------------------------------------|--------------|-------------------------------|------------------|
| Total Petroleum Hydrocarbons as Gasoline | TPHg         | Gas/Diesel Range Hydrocarbons | 8015 Modified    |
| Total Petroleum Hydrocarbons as Diesel   | TPHd         |                               |                  |
| Benzene                                  | BTEX         | Aromatic Volatile Organics    | 8260B            |
| Toluene                                  |              |                               |                  |
| Ethylbenzene                             |              |                               |                  |
| Xylenes (Total)                          |              |                               |                  |
| Tertiary Butyl Alcohol                   | TBA          | Seven Fuel Oxygenates         | 8015 Modified    |
| Methyl Tertiary Butyl Ether              | MTBE         |                               |                  |
| Di-isopropyl Ether                       | DIPE         |                               |                  |
| Ethyl Tertiary Butyl Ether               | ETBE         |                               |                  |
| Tertiary Amyl Methyl Ether               | TAME         |                               |                  |
| Methanol                                 |              |                               |                  |
| Ethanol                                  |              |                               |                  |
| 1,2-Dichloroethane                       | 1,2 - DCA    | Lead Scavengers               | 8260B            |
| Ethylene dibromide                       | EDB          |                               |                  |

### **Modifications from Standard Monitoring Program:**

None

### **CONCLUSIONS**

Based on groundwater analytical results, petroleum hydrocarbons have impacted shallow groundwater at the site. Groundwater samples were analyzed by a new laboratory this quarter, therefore, some results may be interpreted differently. Wells MW-1 and MW-2 continue to contain elevated concentrations of TPHg, TPHd, BTEX compounds, MTBE and TBA. TPHg was detected at a historical high at wells MW-2 and MW-6. Well MW-3 contained TPHg for the first time since sampling began and methanol was detected for the first time at wells MW-2 and MW-4; this is likely due to the differences in laboratory chromatograph interpretation. All other concentrations are within historical ranges. Concentrations at well MW-7 were below laboratory detection limits for all analyzed constituents

The isoconcentration maps (Figures 4 through 7) show the plumes currently not defined downgradient.

Groundwater elevation has increased an average of 4.52 feet this quarter.

### **RECOMMENDATIONS**

Apex recommends continued groundwater monitoring. The next sampling event is scheduled for March 2006.

### **ADDITIONAL ACTIVITIES PERFORMED AT SITE**

Apex is currently awaiting encroachment permits for the installation of two additional groundwater monitoring wells offsite (MW-8 and MW-9). Apex is also preparing a results report documenting the installation of wells (MW-5 through MW-7) installed on October 4, 2005, and direct push borings (GP-1B, GP-5B, GP-11) advanced on October 6, 2005.

## **ATTACHMENTS**

Figure 1: Site Vicinity Map

Figure 2: Site Plan Map

Figure 3: Groundwater Contour Map: January 30, 2006

Figure 4: TPHg in Groundwater Isoconcentration Map: January 30, 2006

Figure 5: IPHd in Groundwater Isoconcentration Map: January 30, 2006

Figure 6: Benzene in Groundwater Isoconcentration Map: January 30, 2006

Figure 7: MTBE in Groundwater Isoconcentration Map: January 30, 2006

Table 1: Well Construction Details

Table 2: Groundwater Elevation Data

Table 3: Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures

Appendix B: Field Data Sheets

Appendix C: Laboratory Analytical Report and Chain-of-Custody Form

## **REPORT DISTRIBUTION**

Apex submitted copies of this report to:

Ms. Peggy Carr  
Sonoma County Department of Health Services  
475 Aviation Boulevard, Suite 220  
Santa Rosa, California 95403-2097  
(707) 565-6577

Mr. Luis Rivera  
North Coast Regional Water Quality Control Board  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

Mr. Tom Robinson

Mr. Ron Michelson

Mr. Dave Zedrick

## REMARKS/SIGNATURES

The information contained within this Report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The proposed work described above will be performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Robinson Oil Corporation with geologic, engineering and environmental consulting services, and trust this Report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

**APEX ENVIROTECH, INC.**



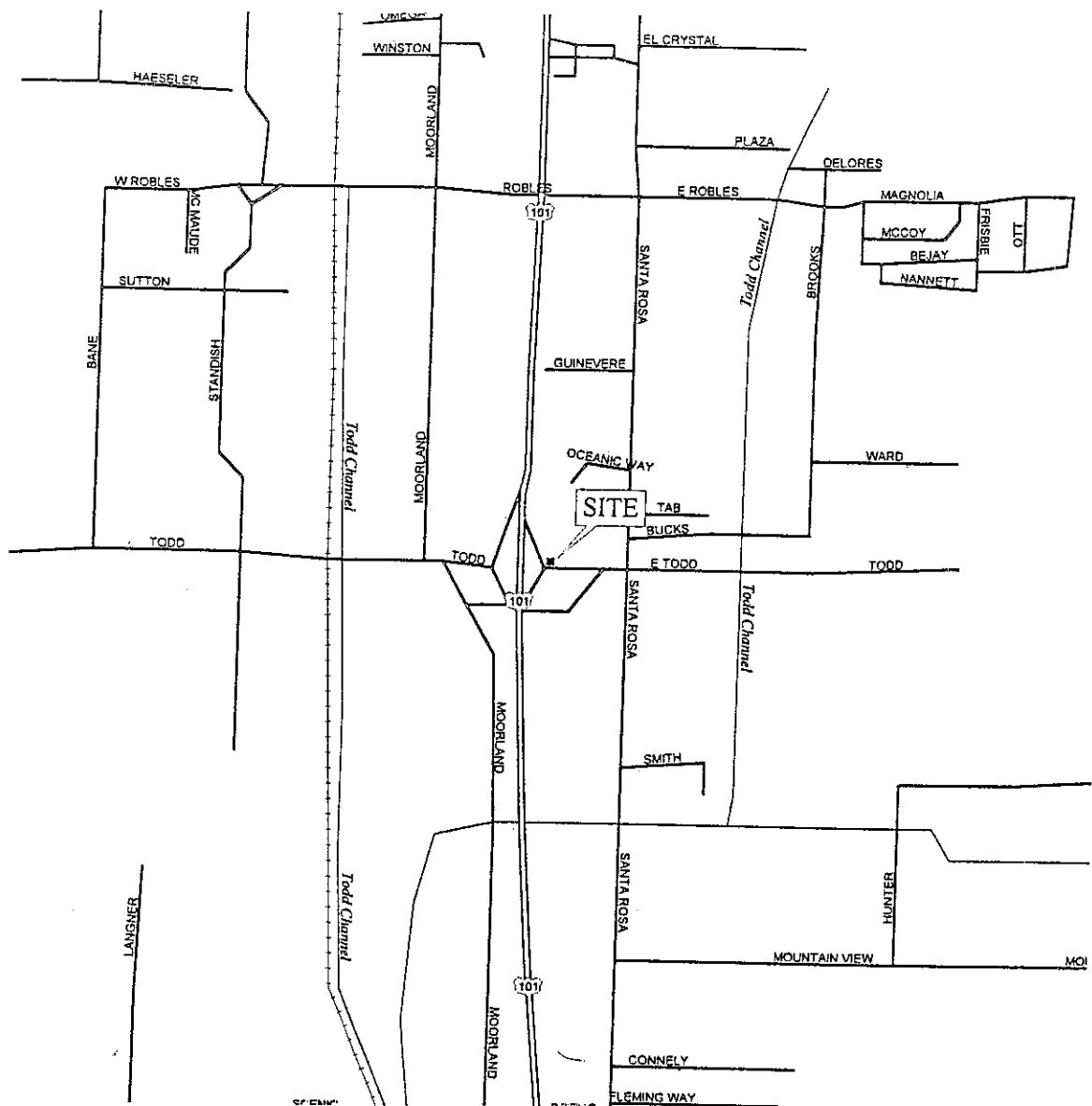
Kasey L. Jones  
Senior Project Manager



Michael S. Sgourakis, P.G.  
Senior Geologist  
CPG No. 7194

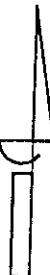


## **FIGURES**



0 0.25 0.5

Approximate Scale  
1 inch = 0.25 miles



N

### SITE VICINITY MAP



DRAWN BY: D. Alston  
DATE: 2/10/04

#### REVISIONS

Rotten Robbie Service Station No 60  
55 Todd Road  
Santa Rosa, California

FIGURE

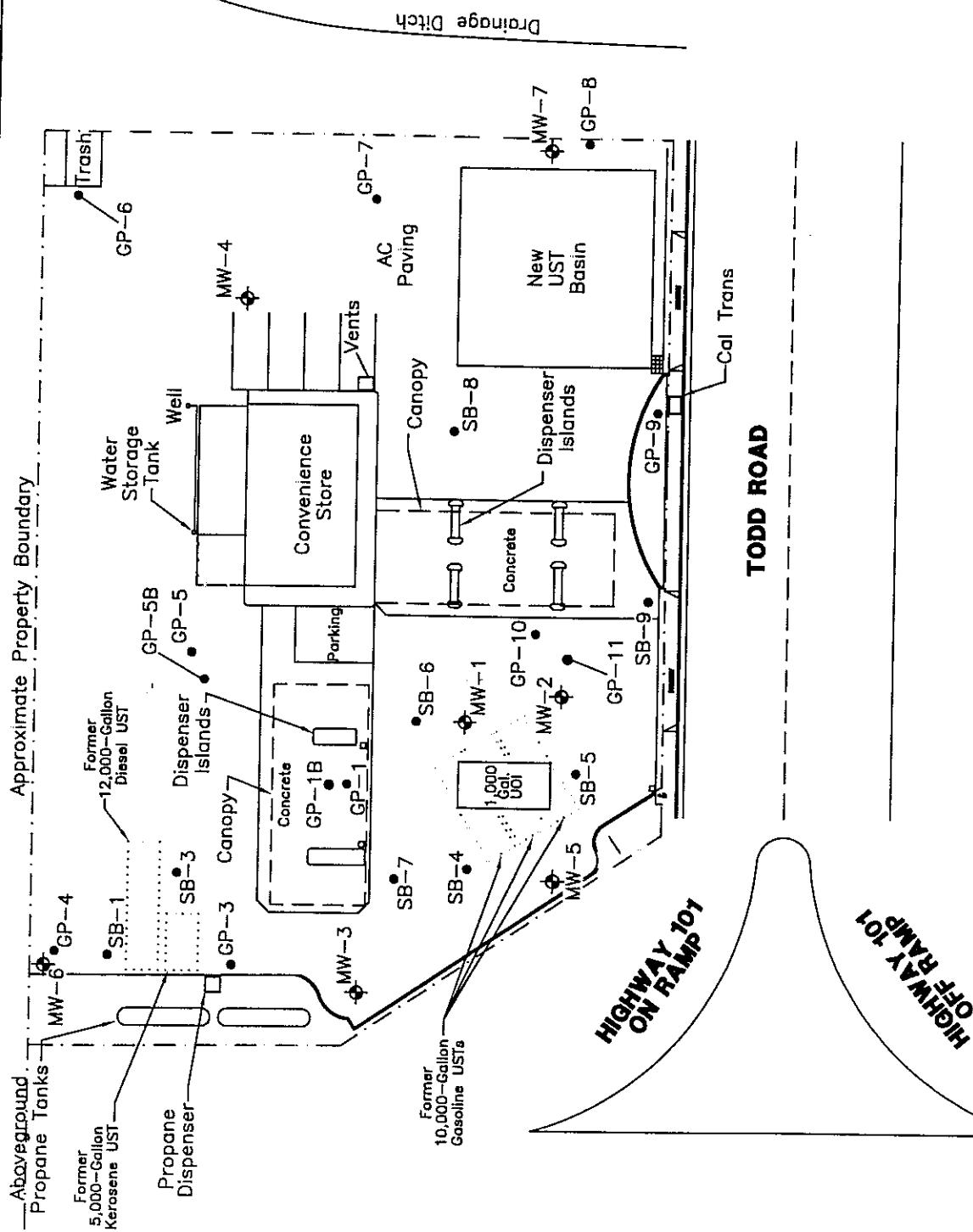
1

PROJECT NUMBER:

RMA01.001

**LEGEND**

- Soil Boring Location
- Drain Inlet
- Geoprobe Location
- ◆ Monitoring Well Location
- Storm Drain
- [E] Electrical Vault
- (S) Sewer
- (P) Pac Bell
- UOI Underground Oil Interceptor

**SITE PLAN MAP**

|           |          |
|-----------|----------|
| DRAWN BY: | J. Curry |
| DATE:     | 10/19/05 |
| REVISIONS |          |



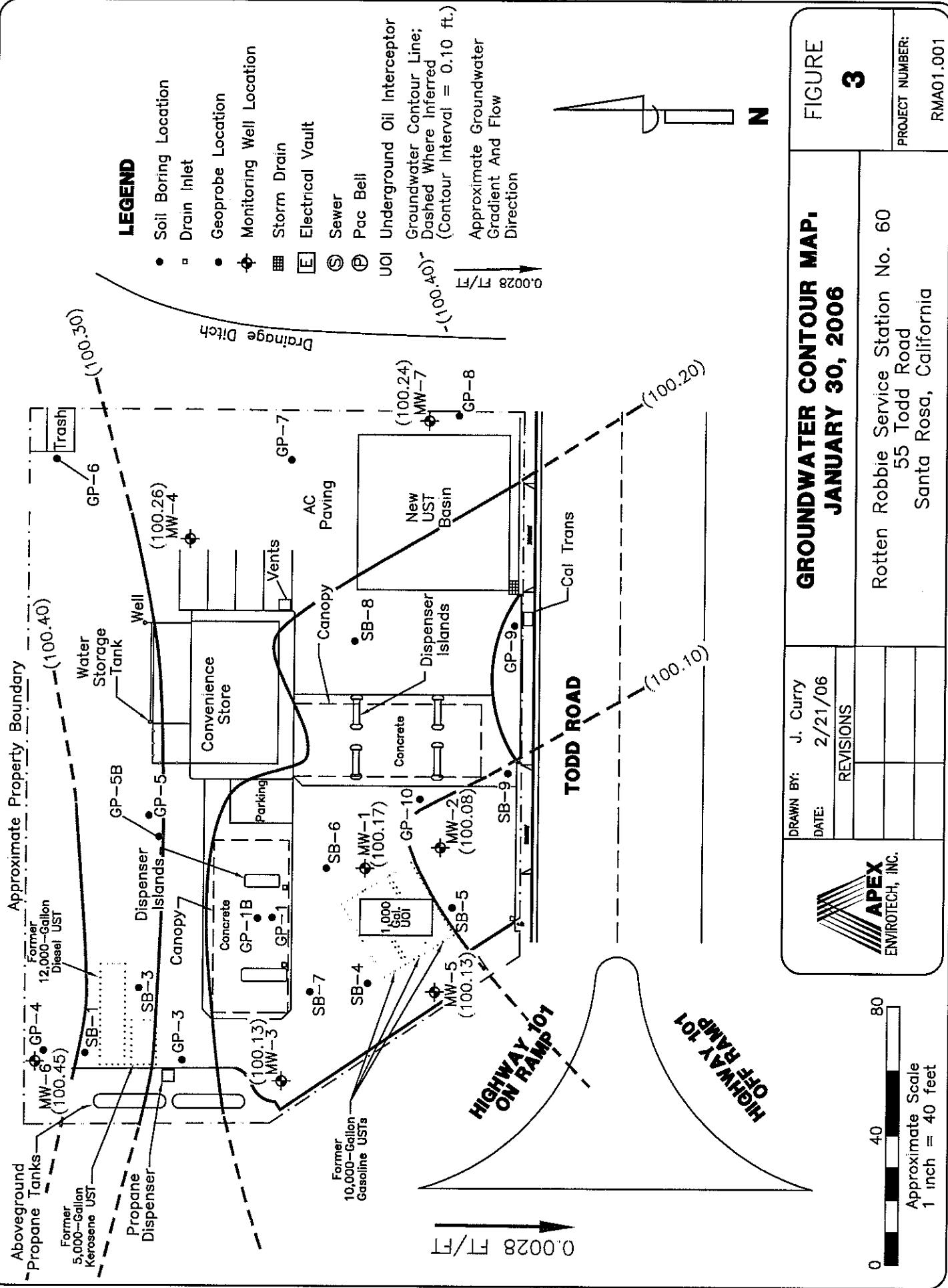
Approximate Scale  
1 inch = 40 feet

**FIGURE****2**

Rotten Robbie Service Station No. 60

55 Todd Road  
Santa Rosa, California

PROJECT NUMBER:  
RMA01.001

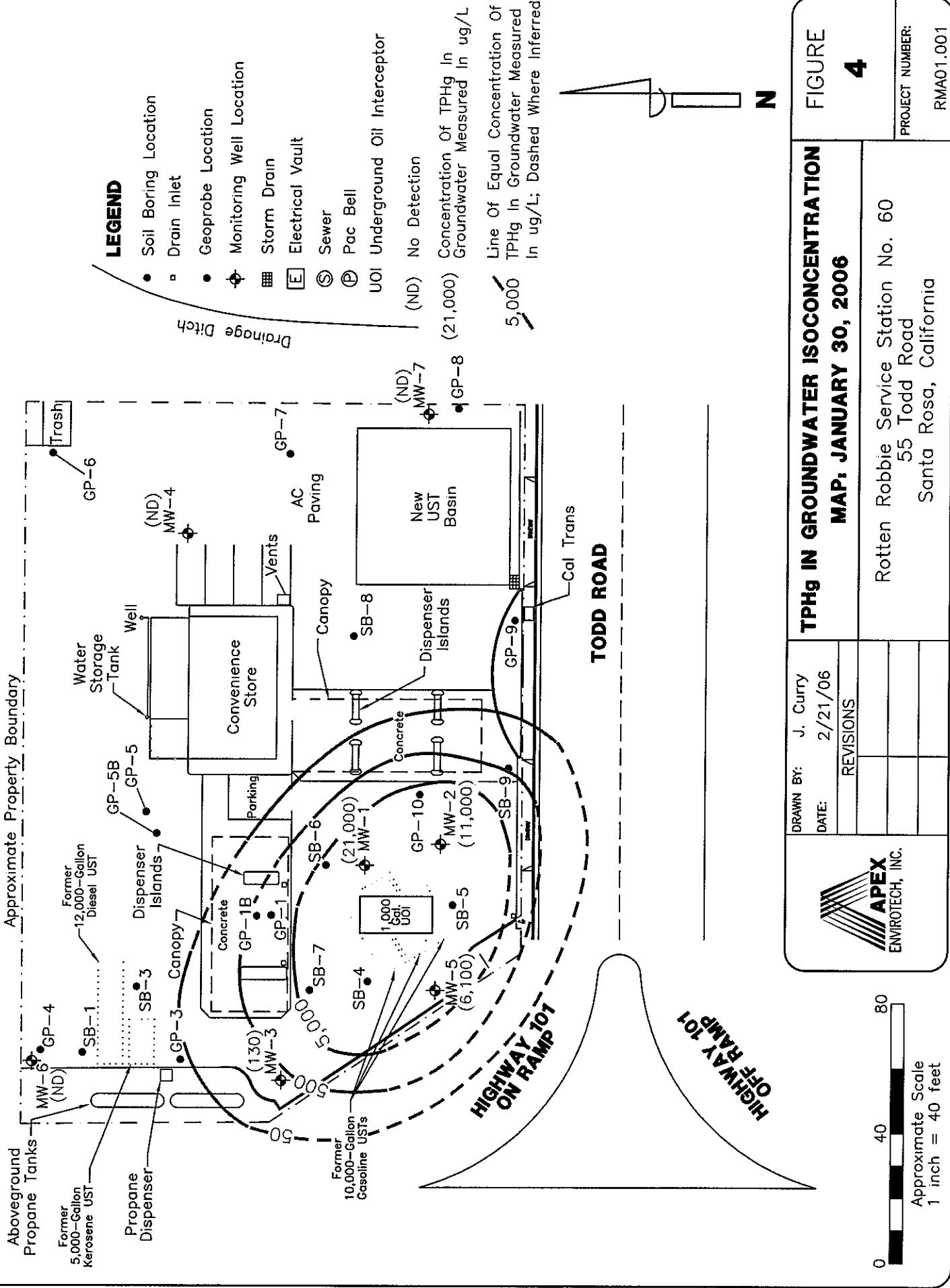


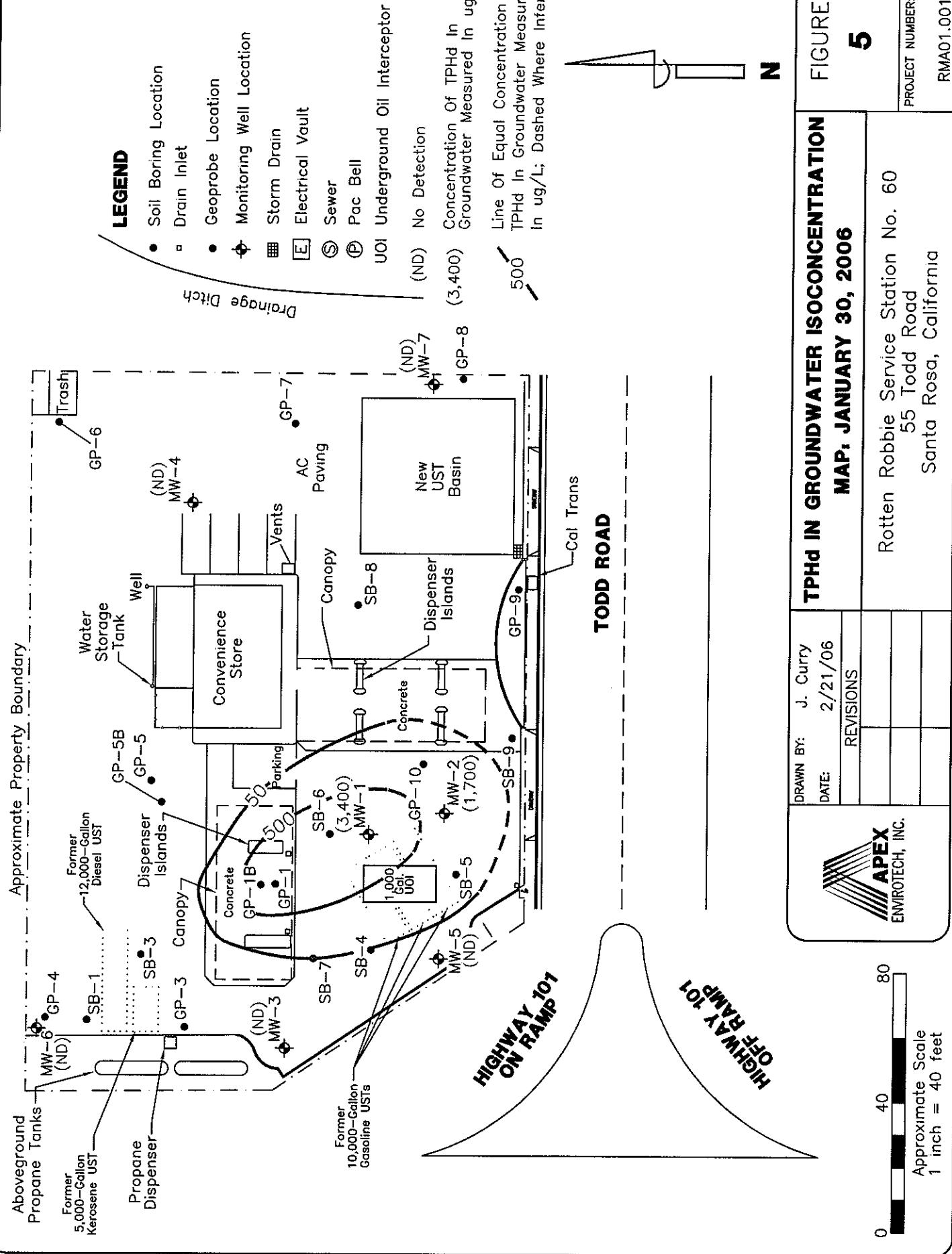
|                                                      |           |                                                                                |
|------------------------------------------------------|-----------|--------------------------------------------------------------------------------|
| <b>GROUNDWATER CONTOUR MAP,<br/>JANUARY 30, 2006</b> |           | <b>FIGURE<br/>3</b>                                                            |
| DRAWN BY:<br>J. Curry<br>DATE:<br>2/21/06            | REVISIONS | Rotten Robbie Service Station No. 60<br>55 Todd Road<br>Santa Rosa, California |
|                                                      |           | PROJECT NUMBER:<br>RMA01.001                                                   |

**APEX**  
ENVIROTECH, INC.

Approximate Scale  
1 inch = 40 feet

0 40 80



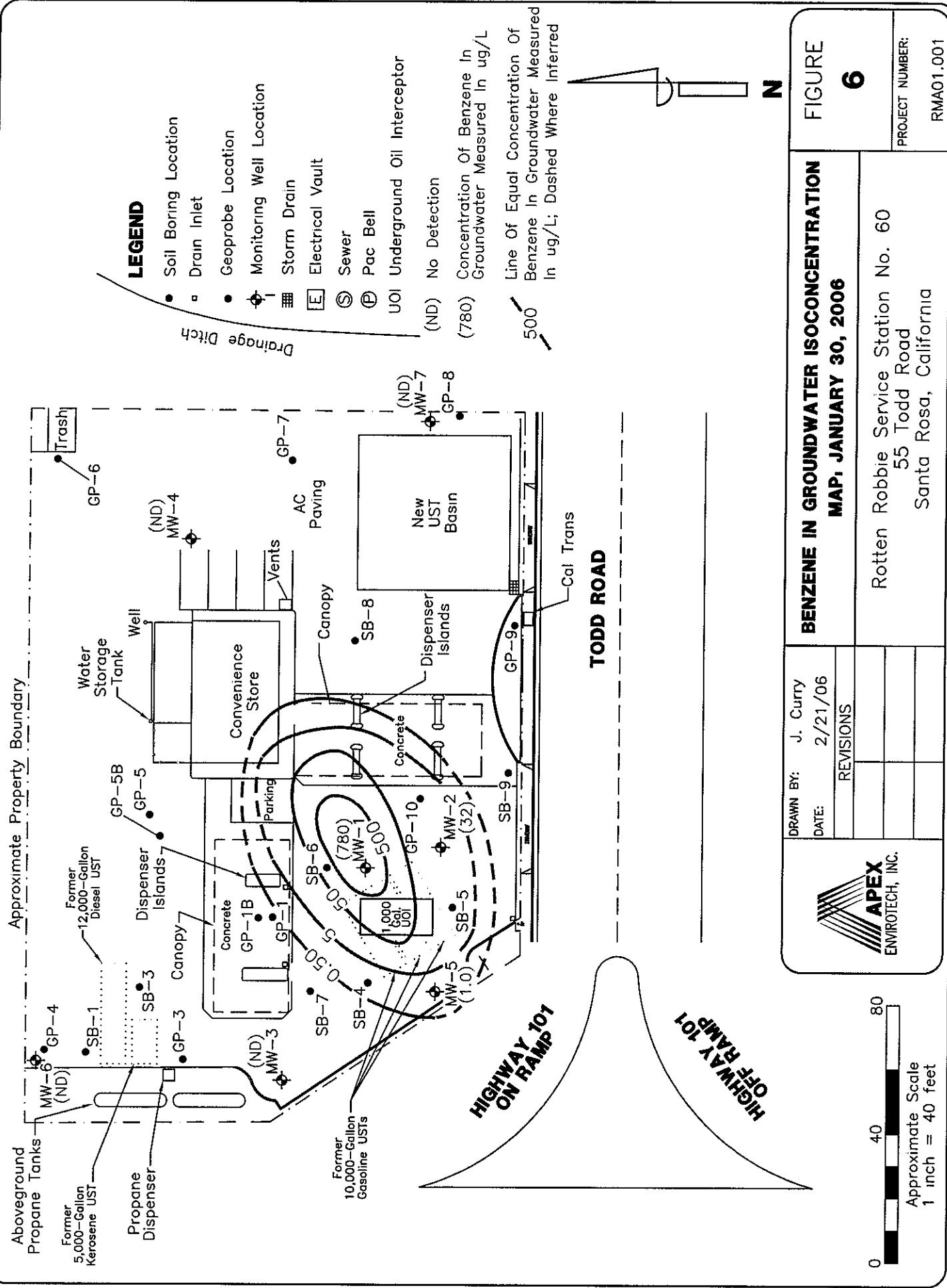


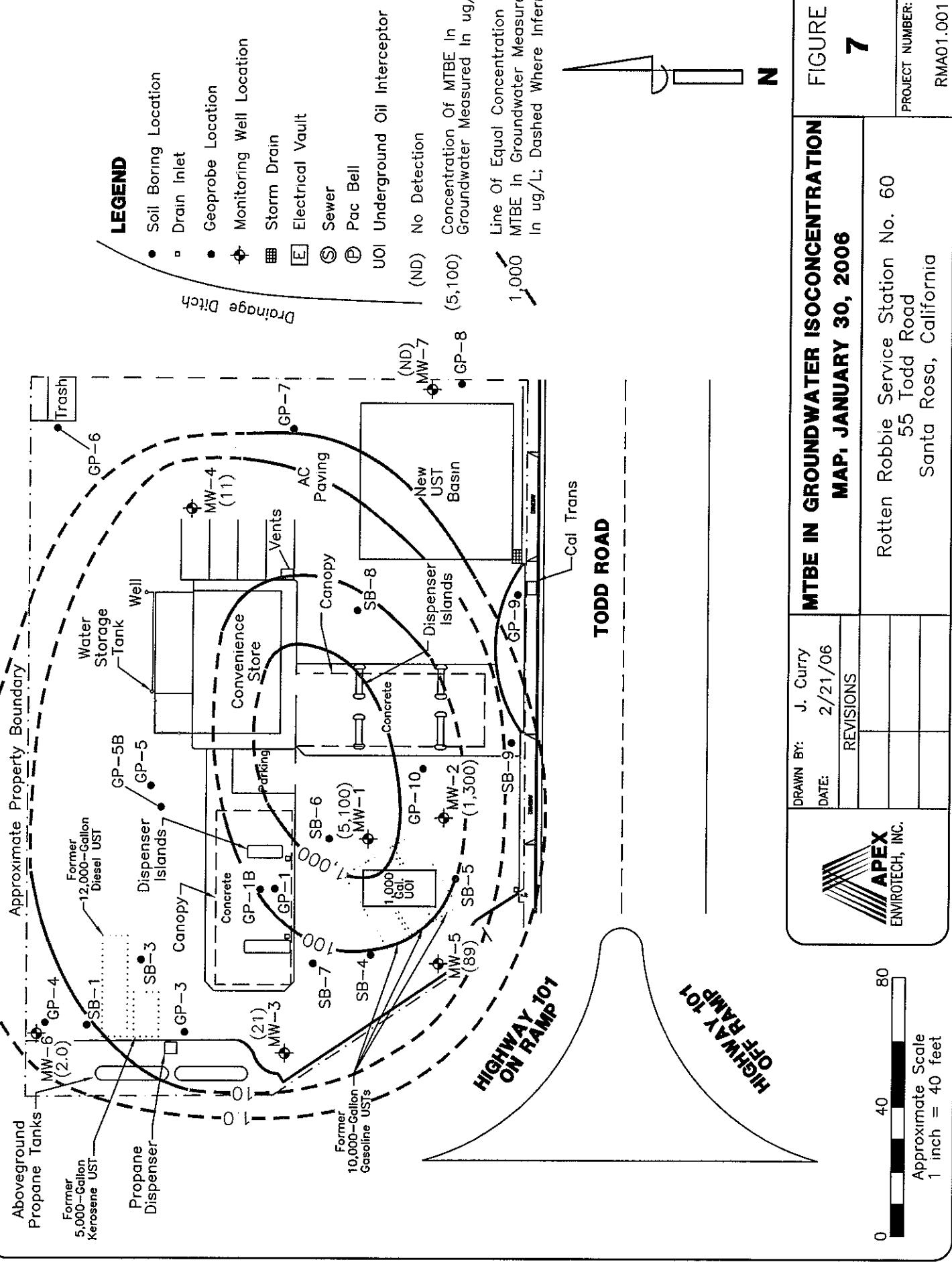
|                                  |  |
|----------------------------------|--|
| <b>DRAWN BY:</b> J. Curry        |  |
| <b>DATE:</b> 2/21/06             |  |
| <b>REVISIONS</b>                 |  |
| <b>FIGURE</b>                    |  |
| <b>5</b>                         |  |
| <b>PROJECT NUMBER:</b> RMA01.001 |  |

**APPEX**  
ENVIROTECH, INC.

Rotten Robbie Service Station No. 60  
55 Todd Road  
Santa Rosa, California

0 40 80  
Approximate Scale  
1 inch = 40 feet





## **TABLES**

**TABLE 1**  
**WELL CONSTRUCTION DETAILS**  
**Rotten Robbie Service Station**  
**55 E. Todd Road**  
**Santa Rosa, California**

| Well Number | Well Installation Date | *Elevation TOC (feet) | Casing Material | Total Depth (feet) | Well Depth (feet) | Casing Diameter (inches) | Screened Interval (feet) | Filter Pack Interval (feet) |
|-------------|------------------------|-----------------------|-----------------|--------------------|-------------------|--------------------------|--------------------------|-----------------------------|
| MW-1        | 7/9/2004               | 104.67                | PVC             | 23                 | 23                | 6                        | 3-23                     | 2-23                        |
| MW-2        | 7/8/2004               | 104.15                | PVC             | 23                 | 23                | 4                        | 3-23                     | 2-23                        |
| MW-3        | 7/8/2004               | 104.87                | PVC             | 23                 | 23                | 4                        | 3-23                     | 2-23                        |
| MW-4        | 7/8/2004               | 105.94                | PVC             | 23                 | 23                | 2                        | 3-23                     | 2-23                        |
| MW-5        | 10/4/2005              | 104.27                | PVC             | 23                 | 23                | 2                        | 3-23                     | 2-23                        |
| MW-6        | 10/4/2005              | 105.85                | PVC             | 23                 | 23                | 2                        | 3-23                     | 2-23                        |
| MW-7        | 10/4/2005              | 104.15                | PVC             | 23                 | 23                | 2                        | 3-23                     | 2-23                        |

Notes:

\* = Surveyed by Apex Envirotech Inc to mean sea level

TOC = Top of Casing

PVC = Polyvinyl Chloride

**TABLE 2**  
**GROUNDWATER ELVATION DATA**  
Rotten Robbies  
55 Todd Road  
Santa Rosa, California

| Monitoring Well | Date     | Reference Elevation<br>(top of casing) | Depth to Groundwater | Groundwater Elevation |
|-----------------|----------|----------------------------------------|----------------------|-----------------------|
| MW-1            | 10/20/04 | 104.67                                 | 11.89                | 92.78                 |
|                 | 02/09/05 |                                        | 6.32                 | 98.35                 |
|                 | 05/12/05 |                                        | 4.94                 | 99.73                 |
|                 | 09/13/05 |                                        | 9.99                 | 94.68                 |
|                 | 12/02/05 |                                        | 9.15                 | 95.52                 |
|                 | 01/30/06 |                                        | 4.50                 | 100.17                |
| MW-2            | 10/20/04 | 104.15                                 | 10.99                | 93.16                 |
|                 | 02/09/05 |                                        | 5.85                 | 98.30                 |
|                 | 05/12/05 |                                        | 4.49                 | 99.66                 |
|                 | 09/13/05 |                                        | 9.45                 | 94.70                 |
|                 | 12/02/05 |                                        | 8.37                 | 95.78                 |
|                 | 01/30/06 |                                        | 4.07                 | 100.08                |
| MW-3            | 10/20/04 | 104.87                                 | 12.95                | 91.92                 |
|                 | 02/09/05 |                                        | 6.87                 | 98.00                 |
|                 | 05/12/05 |                                        | 5.29                 | 99.58                 |
|                 | 09/13/05 |                                        | 11.02                | 93.85                 |
|                 | 12/02/05 |                                        | 10.32                | 94.55                 |
|                 | 01/30/06 |                                        | 4.74                 | 100.13                |
| MW-4            | 10/20/04 | 105.94                                 | 10.86                | 95.08                 |
|                 | 02/09/05 |                                        | 6.83                 | 99.11                 |
|                 | 05/12/05 |                                        | 6.09                 | 99.85                 |
|                 | 09/13/05 |                                        | 9.48                 | 96.46                 |
|                 | 12/02/05 |                                        | 7.67                 | 98.27                 |
|                 | 01/30/06 |                                        | 5.68                 | 100.26                |
| MW-5            | 12/02/05 | 104.27                                 | 8.94                 | 95.33                 |
|                 | 01/30/06 |                                        | 4.14                 | 100.13                |
| MW-6            | 12/02/05 | 105.85                                 | 10.93                | 94.92                 |
|                 | 01/30/06 |                                        | 5.40                 | 100.45                |
| MW-7            | 12/02/05 | 104.15                                 | 5.31                 | 98.84                 |
|                 | 01/30/06 |                                        | 3.91                 | 100.24                |

**TABLE 3**  
**GROUNDWATER ANALYTICAL DATA**  
**Rotten Robbins**  
**55 Todd Road**  
**Santa Rosa, California**

| Sample ID | Date Collected | Aromatic Volatile Organics |                      |                |                |                     |                      | Seven Oxigenates |             |             |             |            |                 | Lead Scavengers |                |            |     |
|-----------|----------------|----------------------------|----------------------|----------------|----------------|---------------------|----------------------|------------------|-------------|-------------|-------------|------------|-----------------|-----------------|----------------|------------|-----|
|           |                | TPH as Gasoline (ug/L)     | TPH as Diesel (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethy-benzene (ug/L) | Total Xylenes (ug/L) | DIPPE (ug/L)     | ETBE (ug/L) | MTBE (ug/L) | TAME (ug/L) | TBA (ug/L) | Methanol (mg/L) | Ethanol (mg/L)  | 1,2-DCA (ug/L) | EDB (ug/L) |     |
| MW-1      | 07/29/04       | 13,000                     | 11,000               | 280            | 860            | 470                 | 2,700                | <40              | <40         | 1,300       | <40         | <400       | <2.0            | <40             | <40            | <40        |     |
|           | 10/20/04       | 3,200                      | 19,000               | 150            | 340            | 190                 | 760                  | <0.50            | <0.50       | 8,100       | 180         | 3,400      | 5.6             | 3.8             | 2.0            | ---        |     |
|           | 02/09/05       | 24,000                     | 3,400                | 1,300          | 2,100          | 1,200               | 4,500                | <250             | <250        | 14,000      | <250        | <2,500     | <2.0            | <250            | <250           | <250       |     |
|           | 05/12/05       | 15,000                     | 6,000                | 1,100          | 440            | 980                 | 1,500                | <50              | <50         | 11,000      | 130         | 2,800      | 4.4             | <2.0            | <50            | <50        |     |
|           | 09/13/05       | 21,000                     | 6,900                | 940            | 1,300          | 1,300               | 3,800                | <100             | <100        | 2,800       | <100        | <1,000     | <2.0            | <2.0            | <100           | <100       |     |
|           | 12/02/05       | 22,000                     | 8,700                | 150            | 1,800          | 1,500               | 5,300                | <25              | <25         | 37,000      | 200         | 25,000     | <2.0            | <2.0            | <25            | <25        |     |
| MW-2      | 01/30/06       | 21,000                     | 3,400                | 780            | 1,200          | 1,100               | 2,600                | <100             | <100        | 5,100       | <100        | 3,900      | <10             | <0.10           | <100           | <100       |     |
|           | 07/29/04       | 4,600                      | 2,600                | 160            | 12             | 56                  | 290                  | <80              | <80         | 13,000      | 85          | 4,300      | <2.0            | <2.0            | <80            | <80        |     |
|           | 10/20/04       | 2,100                      | 1,200                | 220            | 20             | 57                  | 86                   | <0.50            | <0.50       | 1,0         | 9,900       | 120        | 16,000          | <2.0            | <2.0           | 3.3        | --- |
|           | 02/09/05       | 6,100                      | 280                  | 77             | 89             | 77                  | 240                  | <50              | <50         | 16,000      | 180         | 20,000     | <2.0            | <2.0            | <50            | <50        |     |
|           | 05/12/05       | 2,200                      | 350                  | 100            | 23             | 46                  | 87                   | <50              | <50         | 30,000      | 560         | 37,000     | <2.0            | <2.0            | <50            | <50        |     |
|           | 09/13/05       | 550                        | <50                  | 46             | 6.5            | 17                  | 17                   | <250             | <250        | 3,000       | <250        | 8,700      | <2.0            | <2.0            | <250           | <250       |     |
| MW-3      | 12/02/05       | 400                        | 200                  | 15             | 4.4            | 15                  | 16                   | <25              | <25         | 3,300       | 37          | 11,000     | <2.0            | <2.0            | <25            | <25        |     |
|           | 01/30/06       | 11,000                     | 170                  | 32             | <5.0           | 30                  | 28                   | <10              | <10         | 1,300       | 16          | 9,600      | 19              | <0.010          | <10            | <10        |     |
|           | 07/29/04       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 120         | <0.50       | 240        | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 10/20/04       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 110         | 1.5         | 2,200      | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 02/09/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 160         | 0.54        | 310        | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 05/12/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 61          | <0.50       | 290        | <2.0            | <2.0            | <0.50          | <0.50      |     |
| MW-4      | 09/13/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 95          | <0.50       | 140        | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 12/02/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <2.5             | <2.5        | 520         | <2.5        | 1,100      | <2.0            | <2.0            | <2.5           | <2.5       |     |
|           | 01/30/06       | 130                        | <50                  | <0.50          | <0.50          | <1.0                | <1.0                 | <1.0             | <1.0        | 21          | <1.0        | 110        | <10             | <0.0010         | <1.0           | <1.0       |     |
|           | 07/29/04       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 7.0         | <0.50       | <5.0       | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 10/20/04       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 14          | 1.1         | 110        | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 02/09/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 19          | <0.50       | <5.0       | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 05/12/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 19          | <0.50       | 15         | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 09/13/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 15          | <0.50       | <5.0       | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 12/02/05       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 18          | <0.50       | 24         | <2.0            | <2.0            | <0.50          | <0.50      |     |
|           | 01/30/06       | <50                        | <50                  | <0.50          | <0.50          | <1.0                | <0.50                | <0.50            | <0.50       | 11          | <1.0        | <10        | <0.0010         | <1.0            | <1.0           | <1.0       |     |

**TABLE 3**  
**GROUNDWATER ANALYTICAL DATA**  
**Rotten Robbies**  
**55 Todd Road**  
**Santa Rosa, California**

| Sample ID | Date Collected | TPH as          |               |                | Aromatic Volatile Organics |                     |                      | Seven Oxgenates |             |             | Lead Scavengers |            |                 |                |                |            |
|-----------|----------------|-----------------|---------------|----------------|----------------------------|---------------------|----------------------|-----------------|-------------|-------------|-----------------|------------|-----------------|----------------|----------------|------------|
|           |                | Gasoline (ug/L) | Diesel (ug/L) | Benzene (ug/L) | Toluene (ug/L)             | Ethylbenzene (ug/L) | Total Xylenes (ug/L) | DIPE (ug/L)     | ETBE (ug/L) | MTBE (ug/L) | TAME (ug/L)     | TBA (ug/L) | Methanol (mg/L) | Ethanol (mg/L) | 1,2-DCA (ug/L) | EDB (ug/L) |
| MW-5      | 12/02/05       | 1,800           | 620           | 160            | 25                         | 51                  | 42                   | <25             | 1,100       | <25         | 12,000          | <2.0       | <2.0            | <25            | <25            |            |
|           | 01/30/06       | 6,100           | <50           | 1.0            | <0.50                      | <0.50               | <1.0                 | <1.0            | <1.0        | 89          | 1.1             | 5,600      | 13              | <0.0010        | <1.0           | <1.0       |
| MW-6      | 12/02/05       | <50             | <50           | <0.50          | <0.50                      | <0.50               | <1.0                 | <0.50           | <0.50       | 2.3         | <0.50           | 36         | <2.0            | <2.0           | <0.50          | <0.50      |
|           | 01/30/06       | <50             | <50           | <0.50          | <0.50                      | <0.50               | <1.0                 | <1.0            | <1.0        | 2.0         | <1.0            | <25        | <10             | <0.0010        | <1.0           | <1.0       |
| MW-7      | 12/02/05       | <50             | <50           | <0.50          | <0.50                      | <0.50               | <1.0                 | <0.50           | <0.50       | <0.50       | <0.50           | <5.0       | <2.0            | <2.0           | <0.50          | <0.50      |
|           | 01/30/06       | <50             | <50           | <0.50          | <0.50                      | <0.50               | <1.0                 | <1.0            | <1.0        | <1.0        | <1.0            | <25        | <10             | <0.0010        | <1.0           | <1.0       |

Notes:

TPH - Total Petroleum Hydrocarbons  
 MTBE - Methyl Tertiary Butyl Ether  
 DIPE - Di-isopropyl Ether  
 ETBE - Ethyl Tertiary Butyl Ether  
 EDB - Ethylene Dibromide  
 TAME - Tertiary Amyl Methyl Ether  
 TBA - Tertiary Butyl Alcohol

1,2-DCA - 1,2-Dichloroethane  
 mg/L - milligrams per liter  
 ug/L - micrograms per liter  
 < - Below Laboratory Detection Limit  
 --- - not sampled

**APPENDIX A**

**APEX STANDARD OPERATING PROCEDURES**

**APEX ENVIROTECH, INC.**  
**STANDARD OPERATING PROCEDURES**  
**Quarterly Monitoring Reports**

**SOP – 4**  
**SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES**

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, other pertinent field observations also recorded on the field excavation or boring logs.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

**SOP – 5**  
**LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL**

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;
2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
3. Standard operating procedures describing routine and periodic instrument maintenance;
4. "out-of-Control"/Corrective Action documentation procedures; and,
5. Multi-level review of raw data and client reports

**SOP – 7**  
**GROUNDWATER PURGING AND SAMPLING**

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten wetted-casing volumes of groundwater have been recovered, or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

**SOP – 12**  
**MEASURING LIQUID LEVELS USING WATER LEVEL METER OR INTERFACE PROBE**

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe and product bailer(s)). The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurements, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH water interface to confirm the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as "FLH thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

**APPENDIX B**

**FIELD DATA SHEETS**



## Groundwater Level Data Sheet

Project AMA 01.001  
Location Santa Rose, CA  
Date 1/30/06  
Recorded By RCM

| WELL<br>NAME | DEPTH TO<br>WATER<br>TIME | DEPTH TO<br>WATER<br>PRODUCT | DEPTH TO<br>BOTTOM<br>COLUMN | WATER<br>COLUMN | WELL  | PURGE<br>VOLUME | COMMENTS /<br>OBSERVATIONS |
|--------------|---------------------------|------------------------------|------------------------------|-----------------|-------|-----------------|----------------------------|
| 6"           | MW-1<br>1/30              |                              | 4.50<br>23.80                | 19.30           | 28.37 | 85.11           |                            |
| 4"           | -2 1050                   |                              | 4.07<br>22.20                | 18.13           | 11.78 | 35.35           |                            |
| 4"           | -3 1045                   |                              | 4.74<br>22.70                | 17.96           | 11.67 | 35.02           |                            |
|              | -4 1040                   |                              | 5.68<br>23.50                | 17.82           | 2.85  | 8.55            |                            |
|              | -5 1055                   |                              | 4.14<br>23.40                | 19.26           | 3.08  | 9.24            |                            |
|              | -6 1035                   |                              | 5.40<br>23.40                | 18.00           | 2.88  | 8.64            |                            |
| ↓            | -7 1030                   |                              | 3.91<br>23.20                | 19.29           | 3.08  | 9.26            |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |
|              |                           |                              |                              |                 |       |                 |                            |

Well Volume Calculation:

$$(2'' \times 0.18) (4'' \times 0.65)$$

$$(6'' \times 1.47)$$



## Monitoring Data

Project: Potter Robbins # 60Project Number: RMA01.001Date: 1/30/06Recorded By: RCM

| WELL | TIME | TEMP<br>(deg C) | pH  | COND.<br>( $\mu$ S/cm) | DISSOLVED<br>OXYGEN | TOTAL<br>VOLUME<br>REMOVED | COMMENTS/OBSERVATIONS |
|------|------|-----------------|-----|------------------------|---------------------|----------------------------|-----------------------|
| MW-7 | 1118 | 16.6            | 6.9 | 359                    | 3                   |                            |                       |
|      | 1122 | 17.0            | 6.6 | 372                    | 6                   |                            |                       |
| ✓    | 1128 | 16.8            | 6.8 | 229                    | 9.25                | Samp Col. @ 1625           |                       |
| MW-6 | 1138 | 16.9            | 7.1 | 705                    | 3                   |                            |                       |
|      | 1146 | 17.0            | 7.2 | 467                    | 6                   |                            |                       |
| ✓    | 1153 | 17.4            | 7.2 | 322                    | 8.75                | Samp Col. @ 1635           |                       |
| ✓    | 1206 | 17.5            | 7.0 | 465                    | 3                   |                            |                       |
| MW-4 |      |                 |     |                        |                     |                            |                       |
|      | 1211 | 18.5            | 7.1 | 555                    | 6                   |                            |                       |
| ✓    | 1218 | 18.7            | 7.1 | 300                    | 8.75                | Samp Col. @ 1645           |                       |
| MW-3 | 1322 | 18.7            | 7.1 | 351                    | 12                  |                            | 1.5 gpm               |
|      | 1330 | 19.6            | 6.9 | 436                    | 24                  |                            |                       |
| ✓    | 1338 | 19.1            | 7.1 | 259                    | 36                  | Samp Col. @                | 1700                  |

TEMPH.XLS  
4/1/97



## Monitoring Data

Project:

Project Number: PMA01-001

Date: 1/30/06

Recorded By: RCM

| WELL | TIME | TEMP<br>(deg $^{\circ}$ ) | pH  | COND.<br>( $\mu$ S/cm) | DISSOLVED<br>OXYGEN | TOTAL<br>VOLUME<br>REMOVED | COMMENTS/OBSERVATIONS                  |
|------|------|---------------------------|-----|------------------------|---------------------|----------------------------|----------------------------------------|
| MN-2 | 1411 | 20.2                      | 6.6 | 1037                   |                     | 12                         | 1.5 ppm odor                           |
|      | 1419 | 19.9                      | 6.6 | 1028                   |                     | 24                         |                                        |
|      | 1427 | 20.6                      | 6.5 | 1046                   |                     | 36                         | Sampled p 1710<br><del>1711</del> odor |
| MN-5 | 1345 | 19.2                      | 6.9 | 1092                   |                     | 3                          |                                        |
|      | 1350 | 19.0                      | 6.6 | 1072                   |                     | 6                          |                                        |
|      | 1355 | 19.4                      | 6.6 | 997                    |                     | 9.25                       | Sampled o 1720                         |
| MN-1 | 1511 | 20.1                      | 6.9 | 347                    |                     | 28                         | 1.5 ppm odor                           |
|      | 1529 | 19.3                      | 6.9 | 1187                   |                     | 56                         |                                        |
|      | 1548 | 19.3                      | 6.9 | 1184                   |                     | 84                         | Sampled o 1730                         |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |
|      |      |                           |     |                        |                     |                            |                                        |

**APPENDIX C**

**LABORATORY ANALYTICAL REPORT AND**

**CHAIN-OF-CUSTODY FORM**



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94915-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128

Fax (707) 769-8093

# CHAIN OF CUSTODY

CO/3101

Lab Project Number:  
 Client's Project Name: Rotten Robbie Service Station  
 Client's Project Number: RMA01.001

| CLIENT INFORMATION                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Company Name: Apex Envirotech, Inc.<br>Address: 11244 Pyrites Wy.<br>Gold River, CA 95670<br><br>Contact: Kelli Felker<br>Phone #: 916-851-0174<br>Fax #: 916-851-0177<br>e-mail: kfelker@apexenvirotech.com |  |  |  |  |  |  |  |  |  |

## SHIPPING INFORMATION

Company Name: Apex Envirotech, Inc.  
 Address: 11244 Pyrites Wy.  
 Gold River, CA 95670  
  
 Contact: Kelli Felker  
 Phone #: 916-851-0174  
 Fax #: 916-851-0177  
 e-mail: kfelker@apexenvirotech.com

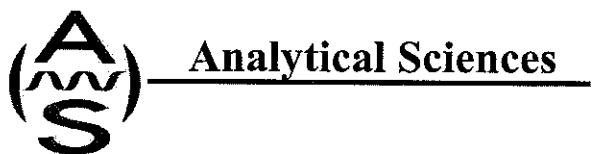
| SHIPPING TIME (Check one) |                          |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|--------------------------|
| Same Day                  | 48 Hours                 | 24 Hours                            | Normal                   |
| <input type="checkbox"/>  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| GeoTracker EDF: | X Yes       | No |
|-----------------|-------------|----|
| Global ID:      | T0609778353 |    |
| Page            | 1           | of |
|                 |             | 1  |

| Item | Client Sample ID | ALT ID | Date Sampled | Time | Matrix | # Cont. | Presv. Y/N | Comments  |           | Lab Sample # |
|------|------------------|--------|--------------|------|--------|---------|------------|-----------|-----------|--------------|
|      |                  |        |              |      |        |         |            | TPHg 8015 | BTEX 8260 |              |
| 1    | MW-1             | MW-1   | 1/30/06      | 1730 | water  | 3       | Y          | X         | X         | X            |
| 2    | MW-2             | MW-2   | 1/30/06      | 1740 | water  | 3       | Y          | X         | X         |              |
| 3    | MW-3             | MW-3   | 1/30/06      | 1700 | water  | 3       | Y          | X         | X         |              |
| 4    | MW-4             | MW-4   | 1/30/06      | 1645 | water  | 3       | Y          | X         | X         |              |
| 5    | MW-5             | MW-5   | 1/30/06      | 1720 | water  | 3       | Y          | X         | X         |              |
| 6    | MW-6             | MW-6   | 1/30/06      | 1635 | water  | 3       | Y          | X         | X         |              |
| 7    | MW-7             | MW-7   | 1/30/06      | 1625 | water  | 3       | Y          | X         | X         |              |
| 8    |                  |        |              |      |        |         |            |           |           |              |
| 9    |                  |        |              |      |        |         |            |           |           |              |
| 10   |                  |        |              |      |        |         |            |           |           |              |

| ANALYSIS |  |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|--|
| 1/31/06  |  |  |  |  |  |  |  |  |  |  |

| SIGNATURES               |                      |               |            |
|--------------------------|----------------------|---------------|------------|
| Relinquished By:<br><br> | Received By:<br><br> | Date: 1/30/06 | Time: 1800 |
| Signature                | Signature            | Date: 1/30/06 | Time: 1800 |
|                          |                      |               | Time       |
|                          |                      |               | Date       |



February 07, 2006

Kelli Felker  
APEX Envirotech Inc.  
11244 Pyrites Way  
Gold River, CA 95670

Dear Kelli,

Enclosed you will find Analytical Sciences' final report 6013101 for your Rotten Robbie Service Station project. An invoice for this work is enclosed.

Should you or your client have any questions regarding this report please contact me at your convenience. We appreciate you selecting Analytical Sciences for this work and look forward to serving your analytical chemistry needs on projects in the future.

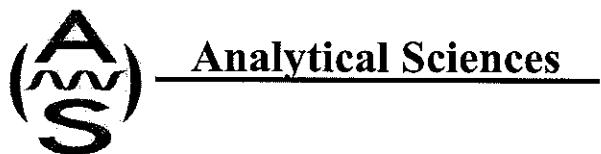
Sincerely,

Analytical Sciences

A handwritten signature in black ink that reads "Mark A. Valentini".

Mark A. Valentini, Ph.D.

Laboratory Director



**Analytical Sciences**

Report Date: February 07, 2006

## Laboratory Report

Kelli Felker  
APEX Envirotech Inc.  
11244 Pyrites Way  
Gold River, CA 95670

Project Name: **Rotten Robbie Service Station**      **RMA 01.001**  
Lab Project: **6013101**

This 18 page report of analytical data has been reviewed and approved for release.

A handwritten signature in black ink, appearing to read "Mark A. Valentini".

---

Mark A. Valentini, Ph.D.  
Laboratory Director



### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-01     | MW-1      | Gasoline       | 21000         | 1000              |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 01/31/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |

### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-02     | MW-2      | Gasoline       | 11000         | TM                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |

### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-03     | MW-3      | Gasoline       | 130           | TM                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 01/31/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |

### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-04     | MW-4      | Gasoline       | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 01/31/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |



### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-05     | MW-5      | Gasoline       | 6100          | TM                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |

### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-06     | MW-6      | Gasoline       | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 01/31/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |

### TPH Gasoline in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-07     | MW-7      | Gasoline       | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 01/31/06      | QC Batch: B000575 |
| Date Received: | 01/30/06  | Method:        | EPA 8015      |                   |



## Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-01           | MW-1      | Benzene                        | 780           | 50                   |
|                      |           | Toluene                        | 1200          | 50                   |
|                      |           | Ethylbenzene                   | 1100          | 50                   |
|                      |           | m,p-Xylene                     | 2100          | 50                   |
|                      |           | o-Xylene                       | 500           | 50                   |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 100                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 100                  |
|                      |           | Ethanol                        | ND            | 100                  |
|                      |           | Tertiary Butyl Alcohol (TBA)   | 3900          | 2500                 |
|                      |           | Methyl tert-Butyl Ether (MTBE) | 5100          | 100                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 100                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 100                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 100                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 21.8                           | 109           | 70-130               |
| Toluene-d8           |           | 20.1                           | 100           | 70-130               |
| 4-Bromofluorobenzene |           | 20.8                           | 104           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/02/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



## Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-02           | MW-2      | Benzene                        | 32            | 5.0                  |
|                      |           | Toluene                        | ND            | 5.0                  |
|                      |           | Ethylbenzene                   | 30            | 5.0                  |
|                      |           | m,p-Xylene                     | 28            | 5.0                  |
|                      |           | o-Xylene                       | ND            | 5.0                  |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 10                   |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 10                   |
|                      |           | Ethanol                        | ND            | 10                   |
|                      |           | Tertiary Butyl Alcohol (TBA)   | 9600          | 250                  |
|                      |           | Methyl tert-Butyl Ether (MTBE) | 1300          | 10                   |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 10                   |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 10                   |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | 16            | 10                   |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 20.8                           | 104           | 70-130               |
| Toluene-d8           |           | 19.4                           | 97            | 70-130               |
| 4-Bromofluorobenzene |           | 20.9                           | 104           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



## Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-03           | MW-3      | Benzene                        | ND            | 0.50                 |
|                      |           | Toluene                        | ND            | 0.50                 |
|                      |           | Ethylbenzene                   | ND            | 0.50                 |
|                      |           | m,p-Xylene                     | ND            | 0.50                 |
|                      |           | o-Xylene                       | ND            | 0.50                 |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|                      |           | Ethanol                        | ND            | 1.0                  |
|                      |           | Tertiary Butyl Alcohol (TBA)   | 110           | 25                   |
|                      |           | Methyl tert-Butyl Ether (MIBE) | 21            | 1.0                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 20.6                           | 103           | 70-130               |
| Toluene-d8           |           | 19.3                           | 96            | 70-130               |
| 4-Bromofluorobenzene |           | 21.1                           | 106           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



## Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-04           | MW-4      | Benzene                        | ND            | 0.50                 |
|                      |           | Toluene                        | ND            | 0.50                 |
|                      |           | Ethylbenzene                   | ND            | 0.50                 |
|                      |           | m,p-Xylene                     | ND            | 0.50                 |
|                      |           | o-Xylene                       | ND            | 0.50                 |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|                      |           | Ethanol                        | ND            | 1.0                  |
|                      |           | Tertiary Butyl Alcohol (TBA)   | ND            | 25                   |
|                      |           | Methyl tert-Butyl Ether (MIBE) | 11            | 1.0                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 21.0                           | 105           | 70-130               |
| Toluene-d8           |           | 20.2                           | 101           | 70-130               |
| 4-Bromofluorobenzene |           | 20.2                           | 101           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



## Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-05           | MW-5      | Benzene                        | 1.0           | 0.50                 |
|                      |           | Toluene                        | ND            | 0.50                 |
|                      |           | Ethylbenzene                   | ND            | 0.50                 |
|                      |           | m,p-Xylene                     | ND            | 0.50                 |
|                      |           | o-Xylene                       | ND            | 0.50                 |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|                      |           | Ethanol                        | ND            | 1.0                  |
|                      |           | Tertiary Butyl Alcohol (TBA)   | 5600          | 250                  |
|                      |           | Methyl tert-Butyl Ether (MTBE) | 89            | 1.0                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | 11            | 1.0                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 21.3                           | 106           | 70-130               |
| Toluene-d8           |           | 20.1                           | 100           | 70-130               |
| 4-Bromofluorobenzene |           | 21.6                           | 108           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



### Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-06           | MW-6      | Benzene                        | ND (1)        | 0.50                 |
|                      |           | Toluene                        | ND            | 0.50                 |
|                      |           | Ethylbenzene                   | ND            | 0.50                 |
|                      |           | m,p-Xylene                     | ND            | 0.50                 |
|                      |           | o-Xylene                       | ND            | 0.50                 |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|                      |           | Ethanol                        | ND            | 1.0                  |
|                      |           | Tertiary Butyl Alcohol (TBA)   | ND            | 25                   |
|                      |           | Methyl tert-Butyl Ether (MIBE) | 2.0           | 1.0                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 20.8                           | 104           | 70-130               |
| Toluene-d8           |           | 19.5                           | 98            | 70-130               |
| 4-Bromofluorobenzene |           | 20.5                           | 102           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |



### Volatile Hydrocarbons by GC/MS in Water

| Lab#                 | Sample ID | Compound Name                  | Result (ug/L) | RDL (ug/L)           |
|----------------------|-----------|--------------------------------|---------------|----------------------|
| 6013101-07           | MW-7      | Benzene                        | ND            | 0.50                 |
|                      |           | Toluene                        | ND            | 0.50                 |
|                      |           | Ethylbenzene                   | ND            | 0.50                 |
|                      |           | m,p-Xylene                     | ND            | 0.50                 |
|                      |           | o-Xylene                       | ND            | 0.50                 |
|                      |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|                      |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|                      |           | Ethanol                        | ND            | 1.0                  |
|                      |           | Tertiary Butyl Alcohol (IBA)   | ND            | 25                   |
|                      |           | Methyl tert-Butyl Ether (MTBE) | ND            | 1.0                  |
|                      |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|                      |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|                      |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0                  |
| Surrogates           |           | Result (ug/L)                  | % Recovery    | Acceptance Range (%) |
| Dibromofluoromethane |           | 21.6                           | 108           | 70-130               |
| Toluene-d8           |           | 19.4                           | 97            | 70-130               |
| 4-Bromofluorobenzene |           | 20.5                           | 102           | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 01/30/06 | Date Analyzed: | 02/01/06  | QC Batch: B000574 |
| Date Received: | 01/30/06 | Method:        | EPA 8260B |                   |

### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-01     | MW-1      | Methanol       | ND            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-02     | MW-2      | Methanol       | 19            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |



### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-03     | MW-3      | Methanol       | ND            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-04     | MW-4      | Methanol       | ND            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-05     | MW-5      | Methanol       | 13            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-06     | MW-6      | Methanol       | ND            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |



### Methanol in Water

| Lab#           | Sample ID | Compound Name  | Result (mg/L) | RDL (mg/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-07     | MW-7      | Methanol       | ND            | 10                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/01/06      | QC Batch: B000580 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-01     | MW-1      | Diesel         | 3400 GP       | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-02     | MW-2      | Diesel         | 170 GP        | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-03     | MW-3      | Diesel         | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |



### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-04     | MW-4      | Diesel         | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-05     | MW-5      | Diesel         | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-06     | MW-6      | Diesel         | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |

### TPH Diesel in Water

| Lab#           | Sample ID | Compound Name  | Result (ug/L) | RDL (ug/L)        |
|----------------|-----------|----------------|---------------|-------------------|
| 6013101-07     | MW-7      | Diesel         | ND            | 50                |
| Date Sampled:  | 01/30/06  | Date Analyzed: | 02/03/06      | QC Batch: B000576 |
| Date Received: | 01/30/06  | Method:        | EPA 8015M     |                   |



## Quality Assurance Report

### TPH Gasoline in Water

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-------|

#### Batch B000575 - EPA 5030 GC

Blank (B000575-BLK1) Prepared & Analyzed: 01/31/06

Gasoline ND 50 ug/L

Matrix Spike (B000575-MS1) Source: 6012710-01 Prepared: 01/31/06 Analyzed: 02/02/06

|              |      |      |      |      |      |     |        |
|--------------|------|------|------|------|------|-----|--------|
| Benzene      | 9.79 | 0.50 | ug/L | 10.0 | ND   | 98  | 70-130 |
| Toluene      | 10.3 | 0.50 | ug/L | 10.0 | 0.57 | 97  | 70-130 |
| Ethylbenzene | 9.81 | 0.50 | ug/L | 10.0 | ND   | 98  | 70-130 |
| Xylenes      | 29.9 | 1.5  | ug/L | 30.0 | ND   | 100 | 70-130 |

Matrix Spike Dup (B000575-MSD1) Source: 6012710-01 Prepared: 01/31/06 Analyzed: 02/02/06

|              |      |      |      |      |      |     |        |   |    |
|--------------|------|------|------|------|------|-----|--------|---|----|
| Benzene      | 9.96 | 0.50 | ug/L | 10.0 | ND   | 100 | 70-130 | 2 | 20 |
| Toluene      | 11.1 | 0.50 | ug/L | 10.0 | 0.57 | 105 | 70-130 | 8 | 20 |
| Ethylbenzene | 9.77 | 0.50 | ug/L | 10.0 | ND   | 98  | 70-130 | 0 | 20 |
| Xylenes      | 31.2 | 1.5  | ug/L | 30.0 | ND   | 104 | 70-130 | 4 | 20 |



## Volatile Hydrocarbons by GC/MS in Water

| Analyte                                                  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B000574 - EPA 5030 GC/MS</b>                    |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B000574-BLK1)</b>                              |        |                 |       |             |               |      |             |     |           |       |
| Prepared: 01/31/06 Analyzed: 02/01/06                    |        |                 |       |             |               |      |             |     |           |       |
| Benzene                                                  | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Toluene                                                  | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Ethylbenzene                                             | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| m,p-Xylene                                               | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| o-Xylene                                                 | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| 1,2-Dibromoethane (EDB)                                  | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| 1,2-Dichloroethane (EDC)                                 | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Ethanol                                                  | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Tertiary Butyl Alcohol (TBA)                             | ND     | 25              | ug/L  |             |               |      |             |     |           |       |
| Methyl tert-Butyl Ether (MTBE)                           | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Di-isopropyl Ether (DIPE)                                | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Ethyl tert-Butyl Ether (ETBE)                            | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| Tert-Amyl Methyl Ether (TAME)                            | ND     | 1.0             | ug/L  |             |               |      |             |     |           |       |
| <b>Surrogate: Dibromofluoromethane</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 19.8   |                 | ug/L  | 20.0        |               | 99   | 70-130      |     |           |       |
| <b>Surrogate: Toluene-d8</b>                             |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 20.1   |                 | ug/L  | 20.0        |               | 100  | 70-130      |     |           |       |
| <b>Surrogate: 4-Bromofluorobenzene</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 18.5   |                 | ug/L  | 20.0        |               | 92   | 70-130      |     |           |       |
| <b>Matrix Spike (B000574-MS1)</b>                        |        |                 |       |             |               |      |             |     |           |       |
| Source: 6013109-05 Prepared: 01/31/06 Analyzed: 02/01/06 |        |                 |       |             |               |      |             |     |           |       |
| 1,1-Dichloroethene (1,1-DCE)                             | 24.0   | 1.0             | ug/L  | 25.0        | ND            | 96   | 70-130      |     |           |       |
| Benzene                                                  | 24.7   | 1.0             | ug/L  | 25.0        | ND            | 99   | 70-130      |     |           |       |
| Trichloroethene (TCE)                                    | 24.2   | 1.0             | ug/L  | 25.0        | ND            | 97   | 70-130      |     |           |       |
| Toluene                                                  | 25.0   | 1.0             | ug/L  | 25.0        | ND            | 100  | 70-130      |     |           |       |
| Chlorobenzene                                            | 24.1   | 1.0             | ug/L  | 25.0        | ND            | 96   | 70-130      |     |           |       |
| <b>Surrogate: Dibromofluoromethane</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 19.7   |                 | ug/L  | 20.0        | -             | 98   | 70-130      |     |           |       |
| <b>Surrogate: Toluene-d8</b>                             |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 20.1   |                 | ug/L  | 20.0        |               | 100  | 70-130      |     |           |       |
| <b>Surrogate: 4-Bromofluorobenzene</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 18.3   |                 | ug/L  | 20.0        |               | 92   | 70-130      |     |           |       |
| <b>Matrix Spike Dup (B000574-MSD1)</b>                   |        |                 |       |             |               |      |             |     |           |       |
| Source: 6013109-05 Prepared: 01/31/06 Analyzed: 02/01/06 |        |                 |       |             |               |      |             |     |           |       |
| 1,1-Dichloroethene (1,1-DCE)                             | 23.6   | 1.0             | ug/L  | 25.0        | ND            | 94   | 70-130      | 2   | 20        |       |
| Benzene                                                  | 24.8   | 1.0             | ug/L  | 25.0        | ND            | 99   | 70-130      | 0   | 20        |       |
| Trichloroethene (TCE)                                    | 24.2   | 1.0             | ug/L  | 25.0        | ND            | 97   | 70-130      | 0   | 20        |       |
| Toluene                                                  | 25.0   | 1.0             | ug/L  | 25.0        | ND            | 100  | 70-130      | 0   | 20        |       |
| Chlorobenzene                                            | 24.2   | 1.0             | ug/L  | 25.0        | ND            | 97   | 70-130      | 1   | 20        |       |
| <b>Surrogate: Dibromofluoromethane</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 19.9   |                 | ug/L  | 20.0        |               | 100  | 70-130      |     |           |       |
| <b>Surrogate: Toluene-d8</b>                             |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 20.2   |                 | ug/L  | 20.0        |               | 101  | 70-130      |     |           |       |
| <b>Surrogate: 4-Bromofluorobenzene</b>                   |        |                 |       |             |               |      |             |     |           |       |
|                                                          | 18.3   |                 | ug/L  | 20.0        |               | 92   | 70-130      |     |           |       |



## Methanol in Water

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B000580 - EPA 5030 GC

Blank (B000580-BLK1)

Methanol ND 10 mg/L

Prepared & Analyzed: 02/01/06



### TPH Diesel in Water

| Analyte                                                     | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B000576 - EPA 3510C</b>                            |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B000576-BLK1)</b> Prepared & Analyzed: 02/01/06   |        |                 |       |             |               |      |             |     |           |       |
| Diesel                                                      | ND     | 50              | ug/L  |             |               |      |             |     |           |       |
| <b>LCS (B000576-BS1)</b> Prepared & Analyzed: 02/01/06      |        |                 |       |             |               |      |             |     |           |       |
| Diesel                                                      | 2140   | 50              | ug/L  | 2740        |               | 78   | 65-135      |     |           |       |
| <b>LCS Dup (B000576-BSD1)</b> Prepared & Analyzed: 02/01/06 |        |                 |       |             |               |      |             |     |           |       |
| Diesel                                                      | 2160   | 50              | ug/L  | 2740        |               | 79   | 65-135      | 1   | 30        |       |



## Notes and Definitions

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- TM The TPH Gasoline result consists primarily of Tertiary Butyl Alcohol (IBA) and Methyl Tertiary Butyl Ether (MTBE)
- GP The sample chromatogram does not exhibit a characteristic pattern of diesel. Higher boiling point constituents of weathered gasoline are present
- (1) The following additional compound was detected: Trichloroethene (27ug/L)
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference